DERWENT-ACC-NO: 1991-152133

DERWENT-WEEK: 199121

TITLE: Polyethylene film with easy tear properties for food packaging etc. - prepd. by extrusion moulding e.g. but-1-ene and linear low density ethylene! into film through T-die etc.

PRIORITY-DATA: 1989JP-0225000 (August 30, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 03086514 A	April 11, 1991	N/A	000	N/A
JP 93081423 B	November 12, 1993	N/A	005	B29C 047/00

INT-CL (IPC): B29C047/88, B29C055/04 , B29C055/08 , B29K023/00 , B29K023:00 , B29L007/00 , B29L007:00 , B65D065/38 , C08J005/18 , C08L023:04

ABSTRACTED-PUB-NO: JP 03086514A

BASIC-ABSTRACT:

A film is formed with a linear low-density PE with a content of 1-butene of 1-10 mol.%. The IR dichroic ratio D720cm(-1) (A1/A11) of the film is above 1.07 where A1 = the absorbency when the film discharge or drawing direction is perpendicular to the IR deflection direction, and A11 = absorbency when the film discharge or drawing direction is parallel to the IR

deflection direction
(claimed).

In the claimed prepn. a linear low-density PE with a content of 1-butene of
1-10 mol % (MI 0.1-30 g/10 min., density of 0.900-0.950 g/cub.cm) is heated at
160-280 deg.C. The melted resin is extrusion moulded into a film through a T
die having a lip aperture of 0.4-2.0 mm and a draw-down ratio of 20-200. The
film is made to get into contact with a roll at 30-100 deg.C for cooling. In
the prepn. (independently claimed), the linear low density PE is melted,
extrusion-moulded into a film, and uniaxially drawn.

USE/ADVANTAGE - Used for packaging of foods and pharmaceuticals. The film has
good easy tear and heat sealing properties.

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Basic Abstract Text - ABTX (2):
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the prepn. (independently claimed), the linear low density PE is melted,
extrusion-moulded into a film, and uniaxially drawn.